NSWCDD





Naval Surface Warfare Center, Dahlgren Division



40MM Tactical IR Marker

Light Weapons Branch, Code G31



Mrs. Kelly Shuttleworth 18 May 2005



40mm Tactical IR Marker FCT Program



- FY05-FY06 FCT Program for 40mm IR Marker and Day/Night Training Cartridge
- Participants
 - US SOCOM-Sponsor/Systems Acquisition Manager
 - NSWC Dahlgren-PM Tactical IR Marker
 - US Army ARDEC-PM Day/Night Training Cartridge
 - NICO Pyrotechnic



40mm IR Marker Description





Tactical IR Marker

- COTS/NDI Currently in Use by Several Countries
- 40mm Low Velocity Cartridge Launched from M203, M79, or EGLM
- Allows SOF to Mark Targets at Night for Coordination of Air and Ground Fires
- NICO's Propulsion Unit and Cartridge Design Provide Capability to Accurately Hit Vehicle Sized Targets at 200 Meters
- Chemical-Illuminescent IR Marking Material is Ejected on Impact with Target
- IR Fill is Emits Light Only in IR Spectrum
- Duration of Mark is Greater than 2 Minutes



Program Schedule



	FY 05								FY 06							
	1st (QΤR	2nd	QTR	3rd	QTR	4th	QTR	1st	QTR	2nc	QTF	3rd	QTF	4th	QTR
Key Activities																
Initial FCT Funds Received																
Contract Preparation and Award						∇										
Section 806 Certification					∇											
Project Planning/Test Planning						∇										
Fabrication of Test Articles								∇								
Receive Test Articles									∇							
Phase I-Performance Tests									$\Delta \zeta$	7						
Phase Il-Safety/Environmental Tests									\triangle			abla				
WSESRB Preparation									\triangle			∇	•			
WSESRB Certification																
Phase III-Operational Testing														\triangle	∇	
Technical Test Report/Decision Package																$\Delta \nabla$
Milestone C SOCOM																∇
FCT Closeout Report																Ŏ